

RESTORE FILE

This is probably the most useful utility program ever made for the VZ200/300. After running out this program and typing in new, start typing in a program. Now type in new to erase the memory; type in PRINT USR(0) and *hey presto* your program is back in memory. This program is excellent if you're the type of person who gets angry with their programs.

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1 I=31058

10 DATA 21, E9, 7A, 36, 01, E5, CD, F8, 1A, E1, 7E, FE, 00, 28, 0A, 23, 3E, FF, DC
20 DATA 20, F5, ED, C8, 20, F1, 23, 7E, FE, 00, 20, EB, 23, 7E, FE, 00, 20, E5, 23
30 DATA 22, F9, 78, 3E, 00, FE, 00, CD, 7A, 1E, C3, 66, 00, END
40 READ#1: IF#="END" THEN POKE 30062, 82: POKE 30063, 121: END
50 A=ASC(A#)-48: IF A>9 THEN A=A-7
60 B=ASC(B#)-48: IF B>9 THEN B=B-7
70 POKE 1, A+16+B: I=I+1: GOTO 40

YCB8 1988 p 88.

51 bytes long program loaded into 7952H-7984H (31058-31088)

End of BASIC statement, marked by .null. byte. End of BASIC program 2 x .null. bytes.

HL-reg used as a PST ptr. until 3 x .null. detected. (EOS + EOB).

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|-------|----------|----------------|---|
| 7952 | 21 E9 7A | LD HL, 7AE9H | Set ptr. to SOB. |
| 55 | 36 01 | LD (HL), 1 | Put non-.null. (dummy) into SOB. |
| 57 | E5 | PUSH HL | Save SOB on stack. |
| 58 | CD F8 1A | CALL 1AF8H | Line pointers routine. (set SOB ptr.) |
| 5B | E1 | POP HL | Restore ptr. |
| 5C | 7E | LD A, (HL) | Put byte of PST into A-reg. |
| 5D | FE 00 | CP .null. | Is it an EOS .null.? |
| 5F | 28 0A | JR Z, LP2 | Yes, go check on EOB. .nulls. |
| 79 61 | 23 | INC HL | Bump ptr. to next in PST. |
| 62 | 3E FF | LD A, FFH | Check for Tom. |
| 64 | BC | CP H | Hi byte of ptr. |
| 65 | 20 F5 | JR NZ, LP1 | Go back to test PST byte. |
| 67 | BD | CP L | Lo byte of ptr. |
| 68 | C8 | RET Z | Tom (FFFFH) reached. - exit/error.? |
| 69 | 20 F1 | JR NZ, LP1 | Go back to test PST byte. |
| 6B | 23 | LP2 INC HL | Bump ptr. to next in PST. |
| 6C | 7E | LD A, (HL) | Put byte of PST into A-reg. |
| 6D | FE 00 | CP .null. | Is it first EOB .null.? |
| 6F | 20 EB | JR NZ, LP1 | Go back to test PST byte. |
| 79 71 | 23 | INC HL | Bump ptr. to next in PST. |
| 72 | 7E | LD A, (HL) | Put byte of PST into A-reg. |
| 73 | FE 00 | CP .null. | Is it second EOB .null.? |
| 75 | 20 E5 | JR NZ, LP1 | Go back to test PST byte. |
| 77 | 23 | INC HL | Bump ptr. to next above PST. |
| 78 | 22 F9 78 | LD (78F9H), HL | Set EOB ptr. to HL addr. |
| 7B | 3E 00 | LD A, 00 | Zero A-reg. |
| 7D | FE 00 | CP 00 | Reset Z-flag. |
| 7F | CD 7A 1E | CALL 1E7AH | CLEAR routine. |
| 79 82 | C3 66 00 | JP 0066H. | NMI routine, reset, IPL entry to BASIC. |